> This Raw Listing contains the General
> Information Section and those Sequences
> containing ERRORS.

```
 1   <110> Gure, Ali
 2         Stockert, Elisabeth
 3         Scanlan, Matthew J.
 4         Jager, Dirk
 5         Old, Lloyd J.
 6         Chen, Yao-Tseng
 7   <120> SMALL CELL LUNG CANCER ASSOCIATED
 8         ANTIGENS AND USES THEREOF
 9   <130> L0461/7073
10   <140> US/09/489,101
11   <141> 2000-01-21
12   <160> 22
13   <170> FastSEQ for Windows Version 3.0
```

Does Not Comply Corrected Diskette Needed

ERRORED SEQUENCES FOLLOW

(see item 3 on Erra Summary sheet)

This is the result of going over the 72-character limit required by Sequence Rules. Each line has a maximum of 72 characters.

move nucleic acid totals over to left

```
        14   <210> 12
E-->    15   <211> 8372
        16   <212> DNA
        17   <213> Homo sapiens
        18   <400> 12
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W-->    20
E-->    21         tgtg ctgaggatgg      180
        22         cctggtctgc caccctcctc gagtagcatt ttgcatgtgt aacagggtct cccctctggg      240
        23         gcacaacaac aaagagaagt tgctaaggac aagaagcagg tgcggaaatg catctcccat      300
E-->    24         tggaacagcc ctgggcttac tccaatggct gagagaggtg ctatggccag tcctcccaga      360 gct
W-->    25
        26         ttcc catcggcgca      480
        27         ccctgcccgg agccaagaag acaggctggt gctgctgtat ttgtatttat atccattgct      540
        28         gcgctctgcg ttctcgtggc acgcctggac actcctccgc ctccccctcc tcttcctcct      600
        29         ccagggccac ctccccgcct tccccacccc catctgcttc tgtcaaatga gaaagtcacc      660
E-->    30         gaggagaacc caaacactcc agccgctgag agcccccttt ggcacttggc agcacgcggc      720 ggc
E-->    31         catttaagag agaacgaccg aggaggagga gcgctctgcc cggccgccgc tacctgcggg      840 gag
W-->    32
        33         caac ctgctcgagc      960
E-->    34         gctcggccgg agacactaag gcggcccggg gcgcggcgtg gccctggctg gtcccccagc     1020 ccc
W-->    35
        36         cccg ggcggcggcg     1140
E-->    37         ggctgcagcc gcggcagggc gagagcatgt ccaagccggt ggaccacgtc aagcggccca     1200 tga
W-->    38
        39         actg ctcacagagt     1320
```

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E-->   40      cggagaagcg gccgttcatc gacgaggcca agcgtctacg cgccatgcac atgaaggagc    1380 acc
W-->   41
E-->   42      gcac cctgcgctca    1500 aggcgggcgc cgggctgcac gcgggggcgg gcggcggcct ggtgcctga
W-->   43
E-->   44      cgccg ccgccgccgc cgcgggcagc ccctactcgc    1680 tgctcgacct gggctccaaa atggcaga
E-->   45      cgtcgtcgct gggctacccg accgcgggcg cgggcgcctt ccacggcgcg gcggcggcgg    1800 ctg
W-->   46
       47      gctg cagccgccgc    1920
E-->   48      tcgcctacat cctgctgccg ggcatgggca agccccagct ggacccctac cccgcggcct    1980 acg
E-->   49      atatgtatag gtacgagcgc tgcggcctcc ccgtgcgccc tcccgcgacc ggggcccgg    2100 ttt
W-->   50
       51      cagg atcatttcag    2220
E-->   52      acccgcactt cggcagccaa ctcgaaagca ggcggttgtg tgcggcagca gttggcgttt    2280 gct
W-->   53
E-->   54      tttt tgtttctcat    2400 tcttcttcct cgcccctcag cccccaacc cccaacccc tcccggtcc
W-->   55
E-->   56      agcag cctcgcctcc ctgtttgtac tatttgaact    2580 ttgcagatct ctgttctctc aagcagaa
W-->   57
E-->   58      atcaga gcaagagctc tttctcaagg gcaagaaacg caaacaagaa atatttgtga    2760 gatgaaa
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E-->   60      aaaaggcact    2880 gctcctattt tcccttatgg ctgagttcac cttaagattg taaatgtgta tat
W-->   61
E-->   62      ttaactttta aaaattgcga aactatttca    3060 gaatcgcaat tttatcgaag attaaatcag act
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E-->   64      t ctctcccaag ttgagctggt ttaatgtgtt ttggatttcc ctcctcaatt    3240 ggcttatttt t
W-->   65
E-->   66      aatgt    3360 ttgtgaatga agttggctaa catgtattta gtttcatttt ggctttatgt aatataaa
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E-->   68      aaatta gaatccgact atcactctgt    3540 tcattttttt tgaacaaaga gtttaaataa agcctga
W-->   69
E-->   70      tatcctc caaaggcacc ctttgtttca cttttgaata gatttactag    3720 gaaatctaaa tcaagc
W-->   71         3840 aaaaaaaagg cattcatgaa ccagtagaac agagcccatt gaaaacatcc agacctttca
E-->   72      t tgttctccta tctttggggt    4020 attccttgtt gacaccttaa ggttttattt ggaaggataa t
W-->   73
E-->   74      gt tggatttcta gggctagaca aattgctact aaagtttgaa    4200 aaatcataaa ggattttaat
E-->   75      320 aaaccagttt ccccattgag accatctctg gagctgcacg tctttataaa cgacccaagt    4380
W-->   76
E-->   77      attaaaa tgatccctct    4500 cctgttattc cctgagctct ttgcaatatt ataagttaat tcatat
W-->   78
E-->   79      ttgtagca gcccatccct tctcaacacg gaacttctgc    4680 ggctcgctgg aaatcacccc agccc
W-->   80
E-->   81      cagcgtttt ctgggagaaa cgctccggag ttgttgatga atgagaagag gactggaaag    4860 atgg
W-->   82
E-->   83      ac ccattctgac    4980 tccaatggtc ttgctaacaa gttggcgggt tttgcgcctg cagagagcct
W-->   84
E-->   85      agc gtctgaaagt ggcccacaaa tgcagcgctg    5160 tgattgggca gagagctgct gctggctcgc
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E-->   87      ttct ttcccttcct tttattcttc tattttcgtt tcttttcaag gttttttttta    5340 aagccatga
W-->   88
E-->   89      cgctgtgt    5460 aagcagtaag aactggtgct ggggagctgt cgcgcgaggg ggtggctttg ggaga
```

please edit

```
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W-->    92
E-->    93      cctcgagggt ccgcgtcttt cttgcgcccg cggcccagcg gaggccgagg    5820 gagccgtcca aac
W-->    94
E-->    95      ccc    5940 cccttttctt ttttctctct tgcaggggg aaaaaaaggg aaatggtgaa aagagctttt
W-->    96
E-->    97      gagt gttgtttgtt gaagtggagc    6120 taagaaaaag cggcggcttt ctcctcattg tgaagaaac
W-->    98
E-->    99      agctg gccggaatga atagcggtgc aatgtgtaca cgctttgtcc    6300 ctccggcctt caagtagc
W-->   100         6420 tgaccaaaac tggataaact gaatgacaaa acggtgaaag gggaacaaaa agatatttaa       64
E-->   101      atgctttttg caagggcttt    6600 gaatagatat gcttttgcaa gggctgaatg ggaaaaggta aag
W-->   102
E-->   103      gaagcaataa ttgccattat tagcattgtc tgcggcagat    6780 agaaattgaa caggttggga taa
E-->   104      0 ttccttgtgt ccatttgccc agcgctggaa tctgtggagc aggaagcctg gcaattccaa    6960 g
W-->   105
E-->   106      ggcac atggtaggtg    7080 ctcactgaat agtcgtggta tgaatgaatg aacgaatgaa tgaatgaa
W-->   107
E-->   108      catcat cccacccctg ggagaaaggt ccacgcagga    7260 tggtcgcttc ccccttgctg agagttt
W-->   109
E-->   110      ccaaatc cactccaaag ccgaggatgg tgagactgtg aagttgcaaa gaaacacaga    7440 gcccac
W-->   111
E-->   112      tgggacagag    7560 aacctcctgt cccccacgag gcaaggcgcg aacccgcaga gatctggggt gcc
       113      tccctgcgct gccctggagg cgtccataga ggcctttgcc gccaaggaca gcaattgttt    7680
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       124      agcaagctca gttgctctac ttttgtgacc catcccccca ccccccccac cgccacccct    8340
       125      gcctccgggc cactgcccct ctctgcaagc tt                                  8372
```

see following pages for more errors

PAGE: 4

RAW SEQUENCE LISTING
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TIME: 14:11:50

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47        atgtgagggc cggacagcga actggagggg ggagaaattt tcaaagaaaa acgagggaaa      1020
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51  <211> LENGTH: 4091
52  <212> TYPE: DNA
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67        ggcgcgcacc cgcaccgcac cccggcgcac ccgcacccgc accacccgca cgcgcacccg       780
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W--> 93 `gctggggctg ctgcgcgtta ccttgctgca acnggggcgcc ttccacctgg ctgggggtct`   2340

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(handwritten annotations in margin: "see item 10 on Even...summary sheet")

Line	?	Error/Warning	Original Text
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19	E	Wrong Amino Acid Designator	aagcttggtg ccatctattt tggactatgc cttgcata
19	E	Wrong Amino Acid Designator	aagcttggtg ccatctattt tggactatgc cttgcata
19	E	Wrong Amino Acid Designator	aagcttggtg ccatctattt tggactatgc cttgcata
19	E	Wrong Amino Acid Designator	aagcttggtg ccatctattt tggactatgc cttgcata
19	E	Wrong Amino Acid Designator	aagcttggtg ccatctattt tggactatgc cttgcata
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20	W	Invalid/Missing Amino Acid Numbering	
21	E	Number of Bases conflict w/ Running Total	tgtg ctgaggatgg 180
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24	E	Wrong Amino Acid Designator	tggaacagcc ctgggcttac tccaatggct gagagagg
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VERIFICATION SUMMARY
PATENT APPLICATION **US/09/489,101**

Input Set: **I489101.RAW**

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37	E	Wrong Amino Acid Designator	ggctgcagcc gcggcagggc gagagcatgt ccaagccg
37	E	Wrong Amino Acid Designator	ggctgcagcc gcggcagggc gagagcatgt ccaagccg
37	E	Wrong Amino Acid Designator	ggctgcagcc gcggcagggc gagagcatgt ccaagccg
37	E	Wrong Amino Acid Designator	ggctgcagcc gcggcagggc gagagcatgt ccaagccg
37	E	Wrong Amino Acid Designator	ggctgcagcc gcggcagggc gagagcatgt ccaagccg
37	E	Wrong Amino Acid Designator	ggctgcagcc gcggcagggc gagagcatgt ccaagccg
38	W	Invalid/Missing Amino Acid Numbering	
40	E	Wrong Amino Acid Designator	cggagaagcg gccgttcatc gacgaggcca agcgtcta
40	E	Wrong Amino Acid Designator	cggagaagcg gccgttcatc gacgaggcca agcgtcta
40	E	Wrong Amino Acid Designator	cggagaagcg gccgttcatc gacgaggcca agcgtcta
40	E	Wrong Amino Acid Designator	cggagaagcg gccgttcatc gacgaggcca agcgtcta
40	E	Wrong Amino Acid Designator	cggagaagcg gccgttcatc gacgaggcca agcgtcta
40	E	Wrong Amino Acid Designator	cggagaagcg gccgttcatc gacgaggcca agcgtcta
40	E	Wrong Amino Acid Designator	cggagaagcg gccgttcatc gacgaggcca agcgtcta
40	E	Wrong Amino Acid Designator	cggagaagcg gccgttcatc gacgaggcca agcgtcta
40	E	Wrong Amino Acid Designator	cggagaagcg gccgttcatc gacgaggcca agcgtcta
40	E	Wrong Amino Acid Designator	cggagaagcg gccgttcatc gacgaggcca agcgtcta
40	E	Wrong Amino Acid Designator	cggagaagcg gccgttcatc gacgaggcca agcgtcta
40	E	Wrong Amino Acid Designator	cggagaagcg gccgttcatc gacgaggcca agcgtcta
40	E	Wrong Amino Acid Designator	cggagaagcg gccgttcatc gacgaggcca agcgtcta
40	E	Wrong Amino Acid Designator	cggagaagcg gccgttcatc gacgaggcca agcgtcta

.40 E Wrong Amino Acid Designator   cggagaagcg gccgttcatc gacgaggcca agcgtcta

Line	?	Error/Warning	Original Text
41	W	Invalid/Missing Amino Acid Numbering	
42	E	Wrong Amino Acid Designator	gcac cctgcgctca 1500 aggcgggcgc cgggct
42	E	Wrong Amino Acid Designator	gcac cctgcgctca 1500 aggcgggcgc cgggct
42	E	Wrong Amino Acid Designator	gcac cctgcgctca 1500 aggcgggcgc cgggct
42	E	Wrong Amino Acid Designator	gcac cctgcgctca 1500 aggcgggcgc cgggct
42	E	Wrong Amino Acid Designator	gcac cctgcgctca 1500 aggcgggcgc cgggct
42	E	Wrong Amino Acid Designator	gcac cctgcgctca 1500 aggcgggcgc cgggct
42	E	Wrong Amino Acid Designator	gcac cctgcgctca 1500 aggcgggcgc cgggct
42	E	Wrong Amino Acid Designator	gcac cctgcgctca 1500 aggcgggcgc cgggct
42	E	Wrong Amino Acid Designator	gcac cctgcgctca 1500 aggcgggcgc cgggct
42	E	Wrong Amino Acid Designator	gcac cctgcgctca 1500 aggcgggcgc cgggct
42	E	Wrong Amino Acid Designator	gcac cctgcgctca 1500 aggcgggcgc cgggct
42	E	Wrong Amino Acid Designator	gcac cctgcgctca 1500 aggcgggcgc cgggct
42	E	Wrong Amino Acid Designator	gcac cctgcgctca 1500 aggcgggcgc cgggct
42	E	Wrong Amino Acid Designator	gcac cctgcgctca 1500 aggcgggcgc cgggct
42	E	Wrong Amino Acid Designator	gcac cctgcgctca 1500 aggcgggcgc cgggct
42	E	Wrong Amino Acid Designator	gcac cctgcgctca 1500 aggcgggcgc cgggct
43	W	Invalid/Missing Amino Acid Numbering	
44	E	Wrong Nucleic Acid Designator	cgccg ccgccgccgc cgcgggcagc ccctactcgc
44	E	Wrong Nucleic Acid Designator	cgccg ccgccgccgc cgcgggcagc ccctactcgc
44	E	Wrong Nucleic Acid Designator	cgccg ccgccgccgc cgcgggcagc ccctactcgc
44	E	Wrong Nucleic Acid Designator	cgccg ccgccgccgc cgcgggcagc ccctactcgc
45	E	Wrong Amino Acid Designator	cgtcgtcgct gggctacccg accgcgggcg cgggcgcc
45	E	Wrong Amino Acid Designator	cgtcgtcgct gggctacccg accgcgggcg cgggcgcc
45	E	Wrong Amino Acid Designator	cgtcgtcgct gggctacccg accgcgggcg cgggcgcc
45	E	Wrong Amino Acid Designator	cgtcgtcgct gggctacccg accgcgggcg cgggcgcc
45	E	Wrong Amino Acid Designator	cgtcgtcgct gggctacccg accgcgggcg cgggcgcc
45	E	Wrong Amino Acid Designator	cgtcgtcgct gggctacccg accgcgggcg cgggcgcc
45	E	Wrong Amino Acid Designator	cgtcgtcgct gggctacccg accgcgggcg cgggcgcc
45	E	Wrong Amino Acid Designator	cgtcgtcgct gggctacccg accgcgggcg cgggcgcc
45	E	Wrong Amino Acid Designator	cgtcgtcgct gggctacccg accgcgggcg cgggcgcc
45	E	Wrong Amino Acid Designator	cgtcgtcgct gggctacccg accgcgggcg cgggcgcc
45	E	Wrong Amino Acid Designator	cgtcgtcgct gggctacccg accgcgggcg cgggcgcc
45	E	Wrong Amino Acid Designator	cgtcgtcgct gggctacccg accgcgggcg cgggcgcc
45	E	Wrong Amino Acid Designator	cgtcgtcgct gggctacccg accgcgggcg cgggcgcc
45	E	Wrong Amino Acid Designator	cgtcgtcgct gggctacccg accgcgggcg cgggcgcc
45	E	Wrong Amino Acid Designator	cgtcgtcgct gggctacccg accgcgggcg cgggcgcc
45	E	Wrong Amino Acid Designator	cgtcgtcgct gggctacccg accgcgggcg cgggcgcc
46	W	Invalid/Missing Amino Acid Numbering	
48	E	Wrong Nucleic Acid Designator	tcgcctacat cctgctgccg ggcatgggca agccccag
48	E	Wrong Nucleic Acid Designator	tcgcctacat cctgctgccg ggcatgggca agccccag
48	E	Wrong Nucleic Acid Designator	tcgcctacat cctgctgccg ggcatgggca agccccag
48	E	Wrong Nucleic Acid Designator	tcgcctacat cctgctgccg ggcatgggca agccccag
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49	E	Wrong Amino Acid Designator	atatgtatag gtacgagcgc tgcggcctcc ccgtgcgc
49	E	Wrong Amino Acid Designator	atatgtatag gtacgagcgc tgcggcctcc ccgtgcgc
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49	E	Wrong Amino Acid Designator	atatgtatag gtacgagcgc tgcggcctcc ccgtgcgc
49	E	Wrong Amino Acid Designator	atatgtatag gtacgagcgc tgcggcctcc ccgtgcgc

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 49 E Wrong Amino Acid Designator          atatgtatag gtacgagcgc tgcggcctcc ccgtgcgc
 49 E Wrong Amino Acid Designator          atatgtatag gtacgagcgc tgcggcctcc ccgtgcgc
 49 E Wrong Amino Acid Designator          atatgtatag gtacgagcgc tgcggcctcc ccgtgcgc
 49 E Wrong Amino Acid Designator          atatgtatag gtacgagcgc tgcggcctcc ccgtgcgc
 49 E Wrong Amino Acid Designator          atatgtatag gtacgagcgc tgcggcctcc ccgtgcgc
 49 E Wrong Amino Acid Designator          atatgtatag gtacgagcgc tgcggcctcc ccgtgcgc
 49 E Wrong Amino Acid Designator          atatgtatag gtacgagcgc tgcggcctcc ccgtgcgc
 49 E Wrong Amino Acid Designator          atatgtatag gtacgagcgc tgcggcctcc ccgtgcgc
 49 E Wrong Amino Acid Designator          atatgtatag gtacgagcgc tgcggcctcc ccgtgcgc
 49 E Wrong Amino Acid Designator          atatgtatag gtacgagcgc tgcggcctcc ccgtgcgc
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Line	?	Error/Warning	Original Text
50	W	Invalid/Missing Amino Acid Numbering	
52	E	Wrong Amino Acid Designator	acccgcactt cggcagccaa ctcgaaagca ggcggttg
52	E	Wrong Amino Acid Designator	acccgcactt cggcagccaa ctcgaaagca ggcggttg
52	E	Wrong Amino Acid Designator	acccgcactt cggcagccaa ctcgaaagca ggcggttg
52	E	Wrong Amino Acid Designator	acccgcactt cggcagccaa ctcgaaagca ggcggttg
52	E	Wrong Amino Acid Designator	acccgcactt cggcagccaa ctcgaaagca ggcggttg
52	E	Wrong Amino Acid Designator	acccgcactt cggcagccaa ctcgaaagca ggcggttg
52	E	Wrong Amino Acid Designator	acccgcactt cggcagccaa ctcgaaagca ggcggttg
52	E	Wrong Amino Acid Designator	acccgcactt cggcagccaa ctcgaaagca ggcggttg
52	E	Wrong Amino Acid Designator	acccgcactt cggcagccaa ctcgaaagca ggcggttg
52	E	Wrong Amino Acid Designator	acccgcactt cggcagccaa ctcgaaagca ggcggttg
52	E	Wrong Amino Acid Designator	acccgcactt cggcagccaa ctcgaaagca ggcggttg
52	E	Wrong Amino Acid Designator	acccgcactt cggcagccaa ctcgaaagca ggcggttg
52	E	Wrong Amino Acid Designator	acccgcactt cggcagccaa ctcgaaagca ggcggttg
52	E	Wrong Amino Acid Designator	acccgcactt cggcagccaa ctcgaaagca ggcggttg
52	E	Wrong Amino Acid Designator	acccgcactt cggcagccaa ctcgaaagca ggcggttg
52	E	Wrong Amino Acid Designator	acccgcactt cggcagccaa ctcgaaagca ggcggttg
53	W	Invalid/Missing Amino Acid Numbering	
54	E	Wrong Amino Acid Designator	tttt tgtttctcat 2400 tcttcttcct cgcccc
54	E	Wrong Amino Acid Designator	tttt tgtttctcat 2400 tcttcttcct cgcccc
54	E	Wrong Amino Acid Designator	tttt tgtttctcat 2400 tcttcttcct cgcccc
54	E	Wrong Amino Acid Designator	tttt tgtttctcat 2400 tcttcttcct cgcccc
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54	E	Wrong Amino Acid Designator	tttt tgtttctcat 2400 tcttcttcct cgcccc
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54	E	Wrong Amino Acid Designator	tttt tgtttctcat 2400 tcttcttcct cgcccc
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54	E	Wrong Amino Acid Designator	tttt tgtttctcat 2400 tcttcttcct cgcccc
54	E	Wrong Amino Acid Designator	tttt tgtttctcat 2400 tcttcttcct cgcccc
54	E	Wrong Amino Acid Designator	tttt tgtttctcat 2400 tcttcttcct cgcccc
54	E	Wrong Amino Acid Designator	tttt tgtttctcat 2400 tcttcttcct cgcccc
54	E	Wrong Amino Acid Designator	tttt tgtttctcat 2400 tcttcttcct cgcccc
54	E	Wrong Amino Acid Designator	tttt tgtttctcat 2400 tcttcttcct cgcccc
55	W	Invalid/Missing Amino Acid Numbering	
56	E	Wrong Amino Acid Designator	agcag cctcgcctcc ctgtttgtac tatttgaact
56	E	Wrong Amino Acid Designator	agcag cctcgcctcc ctgtttgtac tatttgaact
56	E	Wrong Amino Acid Designator	agcag cctcgcctcc ctgtttgtac tatttgaact
56	E	Wrong Amino Acid Designator	agcag cctcgcctcc ctgtttgtac tatttgaact
56	E	Wrong Amino Acid Designator	agcag cctcgcctcc ctgtttgtac tatttgaact
56	E	Wrong Amino Acid Designator	agcag cctcgcctcc ctgtttgtac tatttgaact
56	E	Wrong Amino Acid Designator	agcag cctcgcctcc ctgtttgtac tatttgaact
56	E	Wrong Amino Acid Designator	agcag cctcgcctcc ctgtttgtac tatttgaact
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56	E	Wrong Amino Acid Designator	agcag cctcgcctcc ctgtttgtac tatttgaact
56	E	Wrong Amino Acid Designator	agcag cctcgcctcc ctgtttgtac tatttgaact
56	E	Wrong Amino Acid Designator	agcag cctcgcctcc ctgtttgtac tatttgaact
56	E	Wrong Amino Acid Designator	agcag cctcgcctcc ctgtttgtac tatttgaact
56	E	Wrong Amino Acid Designator	agcag cctcgcctcc ctgtttgtac tatttgaact
56	E	Wrong Amino Acid Designator	agcag cctcgcctcc ctgtttgtac tatttgaact

56 E Wrong Amino Acid Designator   agcag cctcgcctcc ctgtttgtac tatttgaact

Input Set: **I489101.RAW**

Line	?	Error/Warning	Original Text
57	W	Invalid/Missing Amino Acid Numbering	
58	E	Wrong Amino Acid Designator	atcaga gcaagagctc tttctcaagg gcaagaaacg c
58	E	Wrong Amino Acid Designator	atcaga gcaagagctc tttctcaagg gcaagaaacg c
58	E	Wrong Amino Acid Designator	atcaga gcaagagctc tttctcaagg gcaagaaacg c
58	E	Wrong Amino Acid Designator	atcaga gcaagagctc tttctcaagg gcaagaaacg c
58	E	Wrong Amino Acid Designator	atcaga gcaagagctc tttctcaagg gcaagaaacg c
58	E	Wrong Amino Acid Designator	atcaga gcaagagctc tttctcaagg gcaagaaacg c
58	E	Wrong Amino Acid Designator	atcaga gcaagagctc tttctcaagg gcaagaaacg c
58	E	Wrong Amino Acid Designator	atcaga gcaagagctc tttctcaagg gcaagaaacg c
58	E	Wrong Amino Acid Designator	atcaga gcaagagctc tttctcaagg gcaagaaacg c
58	E	Wrong Amino Acid Designator	atcaga gcaagagctc tttctcaagg gcaagaaacg c
58	E	Wrong Amino Acid Designator	atcaga gcaagagctc tttctcaagg gcaagaaacg c
58	E	Wrong Amino Acid Designator	atcaga gcaagagctc tttctcaagg gcaagaaacg c
58	E	Wrong Amino Acid Designator	atcaga gcaagagctc tttctcaagg gcaagaaacg c
58	E	Wrong Amino Acid Designator	atcaga gcaagagctc tttctcaagg gcaagaaacg c
58	E	Wrong Amino Acid Designator	atcaga gcaagagctc tttctcaagg gcaagaaacg c
58	E	Wrong Amino Acid Designator	atcaga gcaagagctc tttctcaagg gcaagaaacg c
58	E	Wrong Amino Acid Designator	atcaga gcaagagctc tttctcaagg gcaagaaacg c
59	W	Invalid/Missing Amino Acid Numbering	
60	E	Wrong Amino Acid Designator	aaaaggcact 2880 gctcctattt tcccttatgg
60	E	Wrong Amino Acid Designator	aaaaggcact 2880 gctcctattt tcccttatgg
60	E	Wrong Amino Acid Designator	aaaaggcact 2880 gctcctattt tcccttatgg
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61	W	Invalid/Missing Amino Acid Numbering	
62	E	Wrong Amino Acid Designator	ttaactttta aaaattgcga aactatttca 3060
62	E	Wrong Amino Acid Designator	ttaactttta aaaattgcga aactatttca 3060
62	E	Wrong Amino Acid Designator	ttaactttta aaaattgcga aactatttca 3060
62	E	Wrong Amino Acid Designator	ttaactttta aaaattgcga aactatttca 3060
62	E	Wrong Amino Acid Designator	ttaactttta aaaattgcga aactatttca 3060
62	E	Wrong Amino Acid Designator	ttaactttta aaaattgcga aactatttca 3060
62	E	Wrong Amino Acid Designator	ttaactttta aaaattgcga aactatttca 3060
62	E	Wrong Amino Acid Designator	ttaactttta aaaattgcga aactatttca 3060
62	E	Wrong Amino Acid Designator	ttaactttta aaaattgcga aactatttca 3060
62	E	Wrong Amino Acid Designator	ttaactttta aaaattgcga aactatttca 3060
62	E	Wrong Amino Acid Designator	ttaactttta aaaattgcga aactatttca 3060
62	E	Wrong Amino Acid Designator	ttaactttta aaaattgcga aactatttca 3060
62	E	Wrong Amino Acid Designator	ttaactttta aaaattgcga aactatttca 3060
62	E	Wrong Amino Acid Designator	ttaactttta aaaattgcga aactatttca 3060
62	E	Wrong Amino Acid Designator	ttaactttta aaaattgcga aactatttca 3060
62	E	Wrong Amino Acid Designator	ttaactttta aaaattgcga aactatttca 3060

Line	?	Error/Warning	Original Text
63	W	Invalid/Missing Amino Acid Numbering	
64	E	Wrong Amino Acid Designator	t ctctcccaag ttgagctggt ttaatgtgtt ttggat
64	E	Wrong Amino Acid Designator	t ctctcccaag ttgagctggt ttaatgtgtt ttggat
64	E	Wrong Amino Acid Designator	t ctctcccaag ttgagctggt ttaatgtgtt ttggat
64	E	Wrong Amino Acid Designator	t ctctcccaag ttgagctggt ttaatgtgtt ttggat
64	E	Wrong Amino Acid Designator	t ctctcccaag ttgagctggt ttaatgtgtt ttggat
64	E	Wrong Amino Acid Designator	t ctctcccaag ttgagctggt ttaatgtgtt ttggat
64	E	Wrong Amino Acid Designator	t ctctcccaag ttgagctggt ttaatgtgtt ttggat
64	E	Wrong Amino Acid Designator	t ctctcccaag ttgagctggt ttaatgtgtt ttggat
64	E	Wrong Amino Acid Designator	t ctctcccaag ttgagctggt ttaatgtgtt ttggat
64	E	Wrong Amino Acid Designator	t ctctcccaag ttgagctggt ttaatgtgtt ttggat
64	E	Wrong Amino Acid Designator	t ctctcccaag ttgagctggt ttaatgtgtt ttggat
64	E	Wrong Amino Acid Designator	t ctctcccaag ttgagctggt ttaatgtgtt ttggat
64	E	Wrong Amino Acid Designator	t ctctcccaag ttgagctggt ttaatgtgtt ttggat
64	E	Wrong Amino Acid Designator	t ctctcccaag ttgagctggt ttaatgtgtt ttggat
64	E	Wrong Amino Acid Designator	t ctctcccaag ttgagctggt ttaatgtgtt ttggat
64	E	Wrong Amino Acid Designator	t ctctcccaag ttgagctggt ttaatgtgtt ttggat
64	E	Wrong Amino Acid Designator	t ctctcccaag ttgagctggt ttaatgtgtt ttggat
64	E	Wrong Amino Acid Designator	t ctctcccaag ttgagctggt ttaatgtgtt ttggat
65	W	Invalid/Missing Amino Acid Numbering	
66	E	Wrong Amino Acid Designator	aatgt 3360 ttgtgaatga agttggctaa catgt
66	E	Wrong Amino Acid Designator	aatgt 3360 ttgtgaatga agttggctaa catgt
66	E	Wrong Amino Acid Designator	aatgt 3360 ttgtgaatga agttggctaa catgt
66	E	Wrong Amino Acid Designator	aatgt 3360 ttgtgaatga agttggctaa catgt
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66	E	Wrong Amino Acid Designator	aatgt 3360 ttgtgaatga agttggctaa catgt
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66	E	Wrong Amino Acid Designator	aatgt 3360 ttgtgaatga agttggctaa catgt
66	E	Wrong Amino Acid Designator	aatgt 3360 ttgtgaatga agttggctaa catgt
66	E	Wrong Amino Acid Designator	aatgt 3360 ttgtgaatga agttggctaa catgt
66	E	Wrong Amino Acid Designator	aatgt 3360 ttgtgaatga agttggctaa catgt
67	W	Invalid/Missing Amino Acid Numbering	
68	E	Wrong Amino Acid Designator	aaatta gaatccgact atcactctgt 3540 tcat
68	E	Wrong Amino Acid Designator	aaatta gaatccgact atcactctgt 3540 tcat
68	E	Wrong Amino Acid Designator	aaatta gaatccgact atcactctgt 3540 tcat
68	E	Wrong Amino Acid Designator	aaatta gaatccgact atcactctgt 3540 tcat
68	E	Wrong Amino Acid Designator	aaatta gaatccgact atcactctgt 3540 tcat
68	E	Wrong Amino Acid Designator	aaatta gaatccgact atcactctgt 3540 tcat
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68	E	Wrong Amino Acid Designator	aaatta gaatccgact atcactctgt 3540 tcat
68	E	Wrong Amino Acid Designator	aaatta gaatccgact atcactctgt 3540 tcat
68	E	Wrong Amino Acid Designator	aaatta gaatccgact atcactctgt 3540 tcat
68	E	Wrong Amino Acid Designator	aaatta gaatccgact atcactctgt 3540 tcat
68	E	Wrong Amino Acid Designator	aaatta gaatccgact atcactctgt 3540 tcat
68	E	Wrong Amino Acid Designator	aaatta gaatccgact atcactctgt 3540 tcat

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68 E Wrong Amino Acid Designator          aaatta gaatccgact atcactctgt       3540 tcat
68 E Wrong Amino Acid Designator          aaatta gaatccgact atcactctgt       3540 tcat
68 E Wrong Amino Acid Designator          aaatta gaatccgact atcactctgt       3540 tcat
```

Raw Sequence Listing Error Summary

ERROR DETECTED   **SUGGESTED   CORRECTION**

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

1 _____ Wrapped Nucleics
The number/text at the end of each line "wrapped" down to the next line.
This may occur if your file was retrieved in a word processor after creating it.
Please adjust your right margin to .3, as this will prevent "wrapping".

2 _____ Wrapped Aminos
The amino acid number/text at the end of each line "wrapped " down to the next line.
This may occur if your file was retrieved in a word processor after creating it.
Please adjust your right margin to .3, as this will prevent "wrapping".

3 _✓_ Incorrect Line Length
The rules require that a line not exceed 72 characters in length. This includes spaces.

4 _____ Misaligned Amino Acid Numbering
The numbering under each 5th amino acid is misaligned. This may be caused by the use of tabs
between the numbering. It is recommended to delete any tabs and use spacing between the numbers.

5 _____ Non-ASCII
This file was not saved in ASCII (DOS) text, as required by the Sequence Rules.
Please ensure your subsequent submission is saved in ASCII text so that it can be processed.

6 _____ Variable Length
Sequence(s) _____ contain n's or Xaa's which represented more than one residue.
As per the rules, each n or Xaa can only represent a single residue.
Please present the maximum number of each residue having variable length and
indicate in the (ix) feature section that some may be missing.

7 _____ PatentIn ver. 2.0 "bug"
A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid
sequence(s) _____. Normally, PatentIn would automatically generate this section from the
previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section
to the subsequent amino acid sequence.

8 _____ Skipped Sequences (OLD RULES)
Sequence(s) _____ missing. If intentional, please use the following format for each skipped sequence:
(2) INFORMATION FOR SEQ ID NO:X:
(I) SEQUENCE CHARACTERISTICS:(Do not insert any headings under "SEQUENCE CHARACTERISTICS")
(xi) SEQUENCE DESCRIPTION:SEQ ID NO:X:
This sequence is intentionally skipped

Please also adjust the "(iii) NUMBER OF SEQUENCES:" response to include the skipped sequence(s).

9 _____ Skipped Sequences (NEW RULES)
Sequence(s) _____ missing. If intentional, please use the following format for each skipped sequence.
<210> sequence id number
<400> sequence id number
000

10 _✓_ Use of n's or Xaa's (NEW RULES)
Use of n's and/or Xaa's have been detected in the Sequence Listing.
Use of <220> to <223> is MANDATORY if n's or Xaa's are present.
In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.

11 _____ Use of <213>Organism (NEW RULES)
Sequence(s) _____ are missing this mandatory field or its response.

12 _____ Use of <220>Feature (NEW RULES)
Sequence(s) _____ are missing the <220>Feature and associated headings.
Use of <220> to <223> is MANDATORY if <213>ORGANISM is "Artificial" or "Unknown"
Please explain source of genetic material in <220> to <223> section.
(See "Federal Register," 6/01/98, Vol. 63, No. 104, pp. 29631-32)   (Sec. 1.823 of new Rules)

13 _____ PatentIn ver. 2.0 "bug"
Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted
file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing).
Instead, please use "File Manager" or any other means to copy file to floppy disk.

AKS-Biotechnology Systems Branch- 5/15/99

VERIFICATION SUMMARY
PATENT APPLICATION **US/09/489,101**

Input Set: **I489101.RAW**

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VERIFICATION SUMMARY
PATENT APPLICATION **US/09/489,101**

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VERIFICATION SUMMARY
PATENT APPLICATION **US/09/489,101**

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95	E	Wrong Amino Acid Designator	ccc 5940 cccttttctt ttttctctct tgcaggg
95	E	Wrong Amino Acid Designator	ccc 5940 cccttttctt ttttctctct tgcaggg
95	E	Wrong Amino Acid Designator	ccc 5940 cccttttctt ttttctctct tgcaggg
95	E	Wrong Amino Acid Designator	ccc 5940 cccttttctt ttttctctct tgcaggg
95	E	Wrong Amino Acid Designator	ccc 5940 cccttttctt ttttctctct tgcaggg
95	E	Wrong Amino Acid Designator	ccc 5940 cccttttctt ttttctctct tgcaggg
95	E	Wrong Amino Acid Designator	ccc 5940 cccttttctt ttttctctct tgcaggg
96	W	Invalid/Missing Amino Acid Numbering	
97	E	Wrong Amino Acid Designator	gagt gttgtttgtt gaagtggagc 6120 taagaa
97	E	Wrong Amino Acid Designator	gagt gttgtttgtt gaagtggagc 6120 taagaa
97	E	Wrong Amino Acid Designator	gagt gttgtttgtt gaagtggagc 6120 taagaa
97	E	Wrong Amino Acid Designator	gagt gttgtttgtt gaagtggagc 6120 taagaa
97	E	Wrong Amino Acid Designator	gagt gttgtttgtt gaagtggagc 6120 taagaa
97	E	Wrong Amino Acid Designator	gagt gttgtttgtt gaagtggagc 6120 taagaa
97	E	Wrong Amino Acid Designator	gagt gttgtttgtt gaagtggagc 6120 taagaa
97	E	Wrong Amino Acid Designator	gagt gttgtttgtt gaagtggagc 6120 taagaa
97	E	Wrong Amino Acid Designator	gagt gttgtttgtt gaagtggagc 6120 taagaa
97	E	Wrong Amino Acid Designator	gagt gttgtttgtt gaagtggagc 6120 taagaa
97	E	Wrong Amino Acid Designator	gagt gttgtttgtt gaagtggagc 6120 taagaa
97	E	Wrong Amino Acid Designator	gagt gttgtttgtt gaagtggagc 6120 taagaa
97	E	Wrong Amino Acid Designator	gagt gttgtttgtt gaagtggagc 6120 taagaa
97	E	Wrong Amino Acid Designator	gagt gttgtttgtt gaagtggagc 6120 taagaa
97	?	Wrong Amino Acid Designator	gagt gttgtttgtt gaagtggagc 6120 taagaa
97	E	Wrong Amino Acid Designator	gagt gttgtttgtt gaagtggagc 6120 taagaa
98	W	Invalid/Missing Amino Acid Numbering	
99	E	Wrong Amino Acid Designator	agctg gccggaatga atagcggtgc aatgtgtaca cg
99	E	Wrong Amino Acid Designator	agctg gccggaatga atagcggtgc aatgtgtaca cg
99	E	Wrong Amino Acid Designator	agctg gccggaatga atagcggtgc aatgtgtaca cg
99	E	Wrong Amino Acid Designator	agctg gccggaatga atagcggtgc aatgtgtaca cg
99	E	Wrong Amino Acid Designator	agctg gccggaatga atagcggtgc aatgtgtaca cg
99	E	Wrong Amino Acid Designator	agctg gccggaatga atagcggtgc aatgtgtaca cg
99	E	Wrong Amino Acid Designator	agctg gccggaatga atagcggtgc aatgtgtaca cg
99	E	Wrong Amino Acid Designator	agctg gccggaatga atagcggtgc aatgtgtaca cg
99	E	Wrong Amino Acid Designator	agctg gccggaatga atagcggtgc aatgtgtaca cg
99	E	Wrong Amino Acid Designator	agctg gccggaatga atagcggtgc aatgtgtaca cg
99	E	Wrong Amino Acid Designator	agctg gccggaatga atagcggtgc aatgtgtaca cg
99	E	Wrong Amino Acid Designator	agctg gccggaatga atagcggtgc aatgtgtaca cg
99	E	Wrong Amino Acid Designator	agctg gccggaatga atagcggtgc aatgtgtaca cg
99	E	Wrong Amino Acid Designator	agctg gccggaatga atagcggtgc aatgtgtaca cg
99	E	Wrong Amino Acid Designator	agctg gccggaatga atagcggtgc aatgtgtaca cg

99 E Wrong Amino Acid Designator   agctg gccggaatga atagcggtgc aatgtgtaca cg

Input Set: **I489101.RAW**

Line	?	Error/Warning	Original Text
100	W	Invalid/Missing Amino Acid Numbering	6420 tgaccaaaac tggataaact gaatgacaaa ac
101	E	Wrong Amino Acid Designator	atgctttttg caagggcttt 6600 gaatagatat
101	E	Wrong Amino Acid Designator	atgctttttg caagggcttt 6600 gaatagatat
101	E	Wrong Amino Acid Designator	atgctttttg caagggcttt 6600 gaatagatat
101	E	Wrong Amino Acid Designator	atgctttttg caagggcttt 6600 gaatagatat
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101	E	Wrong Amino Acid Designator	atgctttttg caagggcttt 6600 gaatagatat
101	E	Wrong Amino Acid Designator	atgctttttg caagggcttt 6600 gaatagatat
102	W	Invalid/Missing Amino Acid Numbering	
103	E	Wrong Nucleic Acid Designator	gaagcaataa ttgccattat tagcattgtc tgcggcag
103	E	Wrong Nucleic Acid Designator	gaagcaataa ttgccattat tagcattgtc tgcggcag
103	E	Wrong Nucleic Acid Designator	gaagcaataa ttgccattat tagcattgtc tgcggcag
103	E	Wrong Nucleic Acid Designator	gaagcaataa ttgccattat tagcattgtc tgcggcag
103	E	Wrong Nucleic Acid Designator	gaagcaataa ttgccattat tagcattgtc tgcggcag
103	E	Wrong Nucleic Acid Designator	gaagcaataa ttgccattat tagcattgtc tgcggcag
103	E	Wrong Nucleic Acid Designator	gaagcaataa ttgccattat tagcattgtc tgcggcag
103	E	Wrong Nucleic Acid Designator	gaagcaataa ttgccattat tagcattgtc tgcggcag
104	E	Wrong Amino Acid Designator	0 ttccttgtgt ccatttgccc agcgctggaa tctgtg
104	E	Wrong Amino Acid Designator	0 ttccttgtgt ccatttgccc agcgctggaa tctgtg
104	E	Wrong Amino Acid Designator	0 ttccttgtgt ccatttgccc agcgctggaa tctgtg
104	E	Wrong Amino Acid Designator	0 ttccttgtgt ccatttgccc agcgctggaa tctgtg
104	E	Wrong Amino Acid Designator	0 ttccttgtgt ccatttgccc agcgctggaa tctgtg
104	E	Wrong Amino Acid Designator	0 ttccttgtgt ccatttgccc agcgctggaa tctgtg
104	E	Wrong Amino Acid Designator	0 ttccttgtgt ccatttgccc agcgctggaa tctgtg
104	E	Wrong Amino Acid Designator	0 ttccttgtgt ccatttgccc agcgctggaa tctgtg
104	E	Wrong Amino Acid Designator	0 ttccttgtgt ccatttgccc agcgctggaa tctgtg
104	E	Wrong Amino Acid Designator	0 ttccttgtgt ccatttgccc agcgctggaa tctgtg
104	E	Wrong Amino Acid Designator	0 ttccttgtgt ccatttgccc agcgctggaa tctgtg
104	E	Wrong Amino Acid Designator	0 ttccttgtgt ccatttgccc agcgctggaa tctgtg
104	E	Wrong Amino Acid Designator	0 ttccttgtgt ccatttgccc agcgctggaa tctgtg
104	E	Wrong Amino Acid Designator	0 ttccttgtgt ccatttgccc agcgctggaa tctgtg
105	W	Invalid/Missing Amino Acid Numbering	
106	E	Wrong Amino Acid Designator	ggcac atggtaggtg 7080 ctcactgaat agtcg
106	E	Wrong Amino Acid Designator	ggcac atggtaggtg 7080 ctcactgaat agtcg
106	E	Wrong Amino Acid Designator	ggcac atggtaggtg 7080 ctcactgaat agtcg
106	E	Wrong Amino Acid Designator	ggcac atggtaggtg 7080 ctcactgaat agtcg
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106	E	Wrong Amino Acid Designator	ggcac atggtaggtg 7080 ctcactgaat agtcg
106	E	Wrong Amino Acid Designator	ggcac atggtaggtg 7080 ctcactgaat agtcg
106	E	Wrong Amino Acid Designator	ggcac atggtaggtg 7080 ctcactgaat agtcg

106 E Wrong Amino Acid Designator   ggcac atggtaggtg   7080 ctcactgaat agtcg
106 E Wrong Amino Acid Designator   ggcac atggtaggtg   7080 ctcactgaat agtcg
106 E Wrong Amino Acid Designator   ggcac atggtaggtg   7080 ctcactgaat agtcg
106 E Wrong Amino Acid Designator   ggcac atggtaggtg   7080 ctcactgaat agtcg
106 E Wrong Amino Acid Designator   ggcac atggtaggtg   7080 ctcactgaat agtcg
106 E Wrong Amino Acid Designator   ggcac atggtaggtg   7080 ctcactgaat agtcg
106 E Wrong Amino Acid Designator   ggcac atggtaggtg   7080 ctcactgaat agtcg
106 E Wrong Amino Acid Designator   ggcac atggtaggtg   7080 ctcactgaat agtcg
106 E Wrong Amino Acid Designator   ggcac atggtaggtg   7080 ctcactgaat agtcg

VERIFICATION SUMMARY
PATENT APPLICATION **US/09/489,101**

Input Set: **I489101.RAW**

Line	?	Error/Warning	Original Text
107	W	Invalid/Missing Amino Acid Numbering	
108	E	Wrong Amino Acid Designator	catcat cccacccctg ggagaaaggt ccacgcagga
108	E	Wrong Amino Acid Designator	catcat cccacccctg ggagaaaggt ccacgcagga
108	E	Wrong Amino Acid Designator	catcat cccacccctg ggagaaaggt ccacgcagga
108	E	Wrong Amino Acid Designator	catcat cccacccctg ggagaaaggt ccacgcagga
108	E	Wrong Amino Acid Designator	catcat cccacccctg ggagaaaggt ccacgcagga
108	E	Wrong Amino Acid Designator	catcat cccacccctg ggagaaaggt ccacgcagga
108	E	Wrong Amino Acid Designator	catcat cccacccctg ggagaaaggt ccacgcagga
108	E	Wrong Amino Acid Designator	catcat cccacccctg ggagaaaggt ccacgcagga
108	E	Wrong Amino Acid Designator	catcat cccacccctg ggagaaaggt ccacgcagga
108	E	Wrong Amino Acid Designator	catcat cccacccctg ggagaaaggt ccacgcagga
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108	E	Wrong Amino Acid Designator	catcat cccacccctg ggagaaaggt ccacgcagga
108	E	Wrong Amino Acid Designator	catcat cccacccctg ggagaaaggt ccacgcagga
108	E	Wrong Amino Acid Designator	catcat cccacccctg ggagaaaggt ccacgcagga
108	E	Wrong Amino Acid Designator	catcat cccacccctg ggagaaaggt ccacgcagga
108	E	Wrong Amino Acid Designator	catcat cccacccctg ggagaaaggt ccacgcagga
108	E	Wrong Amino Acid Designator	catcat cccacccctg ggagaaaggt ccacgcagga
109	W	Invalid/Missing Amino Acid Numbering	
110	E	Wrong Amino Acid Designator	ccaaatc cactccaaag ccgaggatgg tgagactgtg
110	E	Wrong Amino Acid Designator	ccaaatc cactccaaag ccgaggatgg tgagactgtg
110	E	Wrong Amino Acid Designator	ccaaatc cactccaaag ccgaggatgg tgagactgtg
110	E	Wrong Amino Acid Designator	ccaaatc cactccaaag ccgaggatgg tgagactgtg
110	E	Wrong Amino Acid Designator	ccaaatc cactccaaag ccgaggatgg tgagactgtg
110	E	Wrong Amino Acid Designator	ccaaatc cactccaaag ccgaggatgg tgagactgtg
110	E	Wrong Amino Acid Designator	ccaaatc cactccaaag ccgaggatgg tgagactgtg
110	E	Wrong Amino Acid Designator	ccaaatc cactccaaag ccgaggatgg tgagactgtg
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110	E	Wrong Amino Acid Designator	ccaaatc cactccaaag ccgaggatgg tgagactgtg
110	E	Wrong Amino Acid Designator	ccaaatc cactccaaag ccgaggatgg tgagactgtg
110	E	Wrong Amino Acid Designator	ccaaatc cactccaaag ccgaggatgg tgagactgtg
110	E	Wrong Amino Acid Designator	ccaaatc cactccaaag ccgaggatgg tgagactgtg
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110	E	Wrong Amino Acid Designator	ccaaatc cactccaaag ccgaggatgg tgagactgtg
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111	W	Invalid/Missing Amino Acid Numbering	
112	E	Wrong Nucleic Acid Designator	tgggacagag 7560 aacctcctgt cccccacgag
112	E	Wrong Nucleic Acid Designator	tgggacagag 7560 aacctcctgt cccccacgag
112	E	Wrong Nucleic Acid Designator	tgggacagag 7560 aacctcctgt cccccacgag
112	E	Wrong Nucleic Acid Designator	tgggacagag 7560 aacctcctgt cccccacgag